



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

400 Seventh St., S.W.  
Washington, D.C. 20590

**IAEA CERTIFICATE OF COMPETENT AUTHORITY  
SPECIAL FORM RADIOACTIVE MATERIALS  
CERTIFICATE NUMBER USA/0115/S, REVISION 9**

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency<sup>1</sup> and the United States of America<sup>2</sup> for the transport of radioactive materials.

1. Source Identification - Gulf Nuclear, Inc. Model VL-1.
2. Source Description - The source is a doubly encapsulated heliarc-welded capsule of Type 304 or 17-4 PH stainless steel measuring 3.2 mm (0.125 in) to 12.7 mm (0.5 in) in diameter and 6.35 mm (0.25 in) to 19.05 mm (0.75 in) in length. The source is manufactured in accordance with Gulf Nuclear, Inc. Drawing No. D-13-X (attached). Sources certified are only those manufactured by Gulf Nuclear, Inc. before July 7, 1997.
3. Radioactive Contents - This source consists of not more than 37 GBq (1.0 Ci) of Am-241 oxide in beryllium metal powder, 37 GBq (1.0 Ci) of Cs-137 in the form of cesium chloride, or 37 GBq (1.0 Ci) of a combination of Am-241 oxide in beryllium powder and Cs-137 as cesium chloride.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations<sup>1</sup> shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires August 31, 2007.

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<sup>1</sup> "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

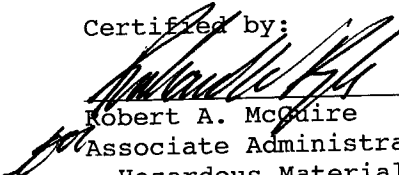
<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

( - 2 - )

**CERTIFICATE USA/0115/S, REVISION 9**

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated July 25, 2002 submitted by AEA Technology QSA, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified by:

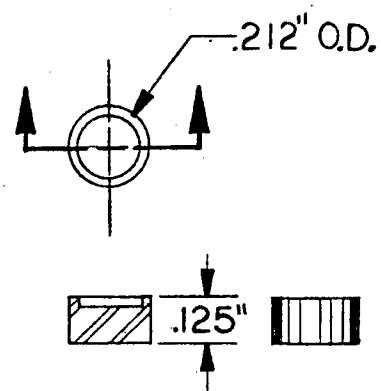
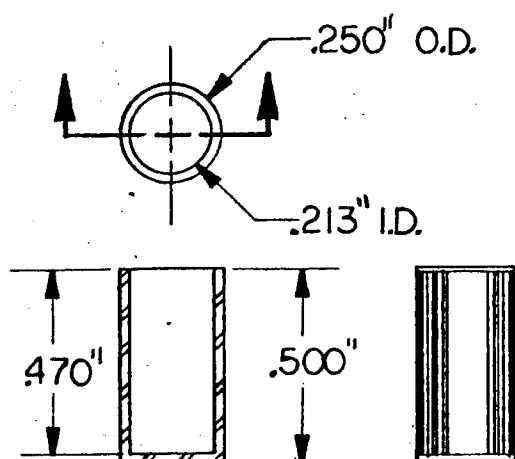
  
Robert A. McGuire

Associate Administrator for  
Hazardous Materials Safety

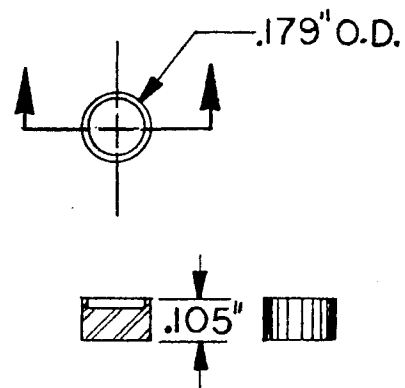
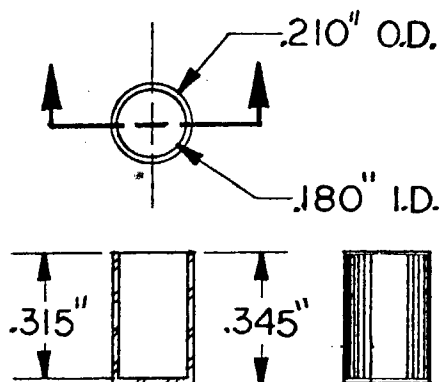
AUG 26 2002

(DATE)

Revision 9 - Issued to reference the 1996 IAEA regulations, and to extend the expiration date.



OUTER CAPSULE AND LID



INNER CAPSULE AND LID

78

REVISIONS			GULF NUCLEAR, INC.		
NO.	DATE	BY			
1			VL-1 CAPSULE		
2					
3			DRAWN BY MPA	SCALE 2X1	MATERIAL S.S.
4			CHK'D	DATE 4-8-82	DRAWING NO.
5			TRACED	APP'D	D-13-X